RSVP
rare symmetry violating processes

BROOKHAVEN NATIONAL LABORATORY

# MECO Direct Cost – k$'s

| WBS Number | Description | Old Total w/Cont | Reduced W/Cont |
|---|---|---|---|
| **1.4.4** | **MECO A-Line** | **$9,459** | **$7,657** |
| 1.4.4.1 | **Project Support and Integration** | $1,584 | $1,584 |
| 1.4.4.2 | **MECO Proton Beam Line** | $4,592 | $3,317 |
| 1.4.4.3 | **Instrumentation** | $1,037 | $898 |
| 1.4.4.4 | **A-Line Security Modifications** | $332 | $332 |
| 1.4.4.5 | **Controls** | $245 | $163 |
| 1.4.4.6 | **MECO Experiment** | $1,671 | $1,363 |

- **Equipment Removal (-$327k): This may impact construction schedule if $'s for HEP removal don't come when needed.**
- **Use AGS inventory for Cosmic Ray Shield heavy concrete (-$490k): MECO's cosmic ray veto counters may have slightly higher background rates.**

- **Use existing datacon controls for power supplies (-$374k): Reduced PS control capabilities (ramp functions?, time stamps? Etc?), decrease in PS control reliability, and small chance of need for "engineered fix" to replace obsolete electronic parts during operations.**

- **Replace PLC magnet monitor system with existing “green box” (-$40k): Small increase in trouble shooting time when magnets fail.**
- **Use existing vacuum pumps for beamline vacuum (-$43k): Small decrease in reliability of vacuum system.**

- **Remove BPM's (-$138k): Beamline vacuum must be adequate to operate EPM's. Possible reduction in beam position resolution with EPM.**
- **Dave Gassner looking at more instrumentation reductions.**
- **Controls reduction due to use of datacon for PS control (-$81k): No impact**

- **Use existing counting house (-$312k): No impact on Physics. Reduced “quality of life” for experimenters. Small increase in maintenance costs during life of experiment.**